

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/05/2018 10:56 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124277	-1	1.49	124189	1.46
Blue	F	SSC	125000	122614	-2	3.33	122950	3.29
Blue	E	FITC	23615	22815	-4	2.75	1021	10.45
Blue	D	PE	26739	26436	-2	2.16	951	9.98
Blue	B	PerCP-Cy5-5	48339	47143	-3	3.59	1356	17.20
Blue	A	PE-Cy7	45021	44470	-2	5.33	694	36.71
Red	C	APC	53064	52110	-2	2.77	2983	9.57
Red	A	APC-Cy7	57175	56223	-2	2.80	1185	10.88
Violet	B	V450	14728	14283	-4	4.92	682	9.70
Violet	A	V500	58621	57043	-3	4.72	2531	6.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18853	2.42	608	-6	N/A	N/A	Pass
Blue	F	SSC	60649	1.51	553	7	N/A	N/A	Pass
Blue	E	FITC	112	40.59	545	-3	0.0203	190	Pass
Blue	D	PE	208	29.46	537	1	0.1548	239	Pass
Blue	B	PerCP-Cy5-5	213	46.33	634	-1	0.0098	126	Pass
Blue	A	PE-Cy7	74	124.43	693	0	0.0110	16	Pass
Red	C	APC	345	27.66	597	0	0.0198	31	Pass
Red	A	APC-Cy7	131	40.67	579	-1	0.0061	2236	Pass
Violet	B	V450	83	43.51	464	-6	0.0431	1956	Pass
Violet	A	V500	185	24.83	491	-6	0.0150	1044	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.04	-31.58	0.91
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.52	14.40 - 21.60	N/A	N/A	31.47	31.73	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11476

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments